

Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).



EPL-AED-1X-2IN Explosion Proof Device Box

Listing: NRTL Listed for United States, Canada, Europe, Asia

Device Type: Explosion Proof Instrument Enclosure

External Dimensions: 6 1/8"-W" x 5 15/16"-H

Internal Dimensions: 4 1/4"-W x 4 13/16"-H

Internal Volume: 31 cu. in.

Weight: 2.15 lbs

Lens Opening: None

Cover Type: 2" Dome Cover

Housing Material: Copper-free Aluminum

Sealing Gasket: Neoprene O-ring

Ground Screw Material: Zinc Plated Steel w/ Green Dye

Allen Head Cover Screw Material: Cadmium Plated Steel

Enclosure Finish: Silver Powder Epoxy Paint, Electrostatically Applied

Cast-in Mounting Pad Configuration: X

Wiring Hubs: Offset Feed-thru (3/4" NPT)

Ratings/Approvals

Class I, Divisions 1 & 2, Groups A, B, C, D

Class I, Zones 1 & 2, Groups IIB+H2, IIA

Class II, Divisions 1 & 2, Groups E, F, G

Class III,

NEMA Type 3, 4, 4X

IECEX UL 14.0071U

Ex db IIC Gb, Ex tb IIIC Db IP66

Ta = -60°C to +70°C

Special Orders- Requirements

Contact us for special requirements

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The EPL-AED-1X-2IN from Larson Electronics is an Explosion Proof Device Box Instrument Enclosure that houses compact instruments or devices used in hazardous locations, confined spaces and industrial facilities. The EPL-AED-1X-2IN is Class I, Divisions 1 & 2, Groups A, B, C, D, Class I, Zones 1 & 2, Groups IIB+H2, IIA, Class II, Divisions 1 & 2, Groups E, F, G and Class III rated for hazardous areas and is listed for use worldwide including the United States, Canada, Europe and Asia. This explosion proof instrument enclosure may be used to comply with domestic and international code requirements, while providing protection for operators and nearby workers.

The EPL-AED-1X-2IN offers protection from explosive hazards and ignitions, dust, harsh weather and rough treatment (tampering). The internal dimensions of the unit is 4 1/4"-W x 4 13/16"-H with 31 cubic inches of volume for compact instruments. This explosion proof enclosure comes with a 2" dome blank cover. A special "X" configured cast-in mounting pad is available for flexibility during application. There is also a cast on side boss for optional machining, external mounting lugs on cover for seamless removal and tightening and an optional external ground screw.

This unit is cast from a copper-free aluminum alloy for durability. Neoprene O-rings are provided with the enclosure to ensure water resistance in NEMA 4/IP66 conditions. For maximum use of interior space, the explosion proof device box comes with offset feed-thru conduit openings (3/4" NPT). An internal ground screw is conveniently located away from the mounting components. The enclosure

is finished with silver powder epoxy paint (electrostatically applied). The ground screws are made out of zinc plated steel with green dye, while the allen head cover screw is constructed of cadmium plated steel. The explosion proof device box is rated NEMA Type 3, 4 and 4X and designed to withstand the rigors of demanding environmental and operating conditions while remaining robust and easy to use.

Applications: Flow measurement devices, temperature monitors, two-wire transmitters, gas detectors, Ph analyzers, pressure gauges, level detectors, H2S monitors, transducers, pressure switches and other compact industrial instruments/devices.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

Frequently Asked Questions (FAQ)

Links (Click on the below items to view):

- [ISO 9001 Certification](#)
- [Business Certificate](#)